



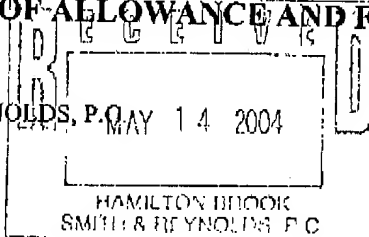
## UNITED STATES PATENT AND TRADEMARK OFFICE

DOCKETED

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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## NOTICE OF ALLOWANCE AND FEE(S) DUE

21005 7590 05/12/2004  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
530 VIRGINIA ROAD  
P.O. BOX 9133  
CONCORD, MA 01742-9133



EXAMINER	
THOMSEN, MARY LYNN F	
ART UNIT	PAPER NUMBER
1732	

DATE MAILED: 05/12/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,502	05/08/2001	David E. Russell	2247.1001-007	3171

TITLE OF INVENTION: METHOD AND APPARATUS FOR PROTOTYPING A THREE-DIMENSIONAL OBJECT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	08/12/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,502	05/08/2001	David B. Russell	2247.1001-007	3171
21005	7590	05/12/2004		

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EXAMINER
THEISEN, MARY LYNN F

ART UNIT	PAPER NUMBER
1732	

DATE MAILED: 05/12/2004

**Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**  
 (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 193 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 193 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

**Notice of Allowability****Application No.**

09/851,502

**Applicant(s)**

RUSSELL ET AL.

**Examiner**

Mary Lynn F. Theisen

**Art Unit**

1732

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 4/12/2004.
2. ☒ The allowed claim(s) is/are 1-114.
3. ☒ The drawings filed on 08 May 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/12/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

*Mary Lynn Theisen*  
Mary Lynn F. Theisen  
Primary Examiner  
Art Unit: 1732

PTD-1449 REPRODUCED

SUPPLEMENTAL INFORMATION  
IN AN APPLICATION

APR 12 2004  
(Use several sheets if necessary)

APR 7, 2004

APR 12 2004

ATTORNEY DOCKET NO.  
2247.1001-007

APPLICATION NO.  
09/851,502

FIRST NAMED INVENTOR  
David B. Russell

FILING DATE  
May 8, 2001

EXAMINER  
Mary Lynn F. Theisen

CONFIRMATION NO.  
3171

GROUP  
1732

Sheet 2 of 3

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
✓	AN2	EPO 289 116 A1	11/02/1988	Westinghouse Electric Corporation	
✓	AO2	WO 93/08928	05/13/1993	DTM Corporation	
✓	AP2	DE 3713794 A1	11/10/1988	Lehman, et al.	X
✓	AQ2	EPO 949 993 B1	11/16/2002	Russell, et al.	
	AP				
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	AP4				
	AQ4				

EXAMINER *Mary Lynn F. Theisen*

DATE CONSIDERED *5/7/04*

Sheet 3 of 3

PTD-1449 REPRODUCED		ATTORNEY DOCKET NO. 2247.1001-007		APPLICATION NO. 09/851,502	
SUPPLEMENTAL INFORMATION TO DISCLOSURE CITATION IN AN APPLICATION  April 7, 2004 (Use several sheets if necessary)		FIRST NAMED INVENTOR David B. Russell		FILING DATE May 8, 2001	
		EXAMINER Mary Lynn F. Theisen		CONFIRMATION NO. 3171	
				GROUP 1732	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓ <i>mtt</i>	AX	The University of Texas., "SOLID FREEFORM FABRICATION PROCEEDINGS" Harris L. Marcus, <i>et al.</i> , pp. 94-101, ( September, 1993)
✓ <i>mtt</i>	AY	The University of Texas., "SOLID FREEFORM FABRICATION PROCEEDINGS" Harris L. Marcus, <i>et al.</i> , pp. 51-58, (September, 1993)
✓ <i>mtt</i>	AZ	DTM Corporation., "THE SINTERSTATION™ 2000 SYSTEM SELECTIVE LASER SINTERING USER'S GUIDE" (DTM Corporation, November 1993)
✓ <i>mtt</i>	AR2	Benjamin M. Wu., <i>et al.</i> , "SOLID FREE-FORM FABRICATION OF DRUG DELIVERY DEVICES", Journal of Controlled Release 40 (1996) 77-87
✓ <i>mtt</i>	AS2	Dubbel "TASCHENBUCH FÜR DEN MASCHINENBAU" W. Beitz und K.-H. Küttner
	AW	
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	AY2	

EXAMINER <i>Mary Lynn Theisen</i>	DATE CONSIDERED <i>5/7/04</i>
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